

CLAIMS

1. Method in a mobile telecommunication network for obtaining location and time information about users, the telecommunication network comprising one or more user terminals, a service entity, a time-stamp server and an operator, the method comprising the following steps
 - a) creating a digital content,
 - b) storing said content in a user terminal,
 - c) retrieving location data from the user terminal,
 - d) digitally signing the content of c) in said user terminal, and before or after step d),
 - e) distributing of the signed combination to a trusted third party for timestamping,
 - f) time-stamping the content of the foregoing steps by the trusted third party.
2. Method of claim 1, characterized in that the digital signing is performed after step c), whereafter the combination of signed content and location data is time-stamped.
3. Method of claim 1 or 2, characterized in that the digital content is created in step a) is a text file or a voice message.
4. Method of claim 1 or 2, characterized in that, the digital content is created in step a) by taking a picture with a digital camera.
5. Method of claim 4, characterized in that the digital camera is linked with the mobile device, which gets the picture directly.

6. Method of claim 4, characterized in that the digital camera is a separate network element, whereby the picture taken by the digital camera is downloaded to a workstation and thereafter sent to the mobile station.

5 7. Method of any of claims 1 - 6, characterized in that the digital signature is performed in step c) with the user's private key stored in the user terminal.

10 8. Method of claim 7, characterized in that a PIN code is entered by the user to access the private key.

9. Method of any of claims 1 - 8, characterized in that location data is retrieved from the user terminal during the signature process as an attribute, which is separately signed.

15 10. Method of any of claims 1 - 9, characterized in that before signing the location data, it is translated to understandable geographical data such as coordinates.

20 11. Method of any of claims 1 – 10, characterized in that the signed combination is distributed to the workstation for timestamping.

25 12. Method of any of claims 1 - 11, characterized in that in step d) the location data is retrieved from the user terminal over the air through an application residing in the workstation.